Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4297	scanning adj probe adj microscop$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L2	39575	oligonucleotide near5 probe	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L3	210	l1 and l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L4	6	(scanning adj probe adj microscop$) same (oligonucleotide adj probe)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:49

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217303 PROBE/BI              186564 PROBE/AB
525148 MICROSCOP?/BI              469129 MICROSCOP?/AB
L1       3977 (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB

=> s (oligonucleotide#(5a)probe#)/bi,ab    79087
OLIGONUCLEOTIDE#/BI              60536
OLIGONUCLEOTIDE#/AB              305939 PROBE#/BI
264136 PROBE#/AB
L2       11882 (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB

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L1         3977 S (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB
L2        11882 S (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB
L3            4 S L1 AND L2

=> d l3 1-4 bib ab

L3   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2005 ACS on STN
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AN 2004:533800 CAPLUS
DN 141:85095
TI Controlled alignment of nano-barcodes encoding specific information for ***scanning*** ***probe*** ***microscopy*** (SPM) reading
IN Chan, Selena; Su, Xing; Yamakawa, Mineo
PA USA
SO U.S. Pat. Appl. Publ., 37 pp., Cont.-in-part of U.S. Ser. No. 251,152. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- --------
PI US 2004126820 A1 20040701 US 2003-667004 20030919 US 2004058328 A1 20040325 US 2002-251152 20020920 WO 2004038037 A2 20040506 WO 2003-US29726 20030922 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI US 2002-251152 A2 20020920 US 2003-667004 A 20030919
AB The methods, app. and compns. disclosed herein concern the detection, identification and/or sequencing of biomols., such as nucleic acids or proteins. In certain embodiments of the invention, coded probes comprising a probe mol. attached to one or more nano-barcodes may be allowed to bind to one or more target mols. After binding and sepn. from unbound coded probes, the bound coded probes may be aligned on a surface and analyzed by ***scanning*** ***probe*** ***microscopy*** . The nano-barcodes may be any mol. or complex that is distinguishable by SPM, such as carbon nanotubes, fullerenes, submicrometer metallic barcodes, nanoparticles or quantum dots. Where the ***probes*** are ***oligonucleotides*** , adjacent coded ***probes*** hybridized to a target nucleic acid may be ligated together before alignment and SPM anal. Compns. comprising coded probes are also disclosed herein. Systems for biomol. anal. may comprise an SPM instrument and at least one coded probe attached to a surface.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:371098 CAPLUS
DN 140:388197
TI Controlled alignment of nano-barcodes encoding specific information for ***scanning*** ***probe*** ***microscopy*** (spm) reading
IN Chan, Selena; Su, Xing; Yamakawa, Mineo
PA Intel Corporation, USA
SO PCT Int. Appl., 63 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- --------
PI WO 2004038037 A2 20040506 WO 2003-US29726 20030922 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2004058328 A1 20040325 US 2002-251152 20020920 US 2004126820 A1 20040701 US 2003-667004 20030919
PRAI US 2002-251152 A 20020920 US 2003-667004 A 20030919
AB The methods, app. and compns. disclosed herein concern the detection, identification and/or sequencing of biomols., such as nucleic acids or proteins. In certain embodiments of the invention, coded probes comprising a probe mol. attached to one or more nano-barcodes may be allowed to bind to one or more target mols. After binding and sepn. from unbound coded probes, the bound coded probes may be aligned on a surface and analyzed by ***scanning*** ***probe*** ***microscopy*** . The nano-barcodes may be any mol. or complex that is distinguishable by SPM, such as carbon nanotubes, fullerenes, submicrometer metallic barcodes, nanoparticles or quantum dots. Where the ***probes*** are ***oligonucleotides*** , adjacent coded ***probes*** hybridized to a target nucleic acid may be ligated together before alignment and SPM anal. Compns. comprising coded probes are also disclosed herein. Systems for biomol. anal. may comprise an SPM instrument and at least one coded probe attached to a surface.

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:252088 CAPLUS
DN 140:249737
TI Controlled alignment of nanobarcodes encoding specific information for ***scanning*** ***probe*** ***microscopy*** (SPM) reading
IN Chan, Selena; Su, Xing; Yamakawa, Mineo
PA USA
SO U.S. Pat. Appl. Publ., 17 pp. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- --------
PI US 2004058328 A1 20040325 US 2002-251152 20020920 WO 2004027095 A1 20040401 WO 2003-US28082 20030905 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG EP 1543152 A1 20050622 EP 2003-752088 20030905 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK US 2004126820 A1 20040701 US 2003-667004 20030919 WO 2004038037 A2 20040506 WO 2003-US29726 20030922 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005208554 A1 20050922 US 2005-77577 20050311
PRAI US 2002-251152 A 20020920 WO 2003-US28082 W 20030905 US 2003-667004 A 20030919
AB The methods, app. and compns. disclosed herein concern the detection, identification and/or sequencing of biomols., such as nucleic acids or proteins. In certain embodiments of the invention, coded probes comprising a probe mol. attached to one or more nanobarcodes may be allowed to bind to one or more target mols. After binding and sepn. from unbound coded probes, the bound coded probes may be aligned on a surface and analyzed by ***scanning*** ***probe*** ***microscopy*** . The nanobarcodes may be any mol. or complex that is distinguishable by SPM, such as carbon nanotubes, fullerenes, submicrometer metallic barcodes, nanoparticles or quantum dots. Where the ***probes*** are ***oligonucleotides*** , adjacent coded ***probes*** hybridized to a target nucleic acid may be ligated together before alignment and SPM anal. Compns. comprising coded probes are also disclosed herein. Systems for biomol. anal. may comprise an SPM instrument and at least one coded probe attached to a surface.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:534997 CAPLUS
DN 129:226603
TI Detection of nucleic acids with ***scanning*** ***probe*** ***microscopy***
IN Hori, Kunio; Takahashi, Isao; Okada, Takao
PA Olympus Optical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp. CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI JP 10215899 A2 19980818 JP 1997-25219 19970207 US 6194148 B1 20010227 US 1998-19931 19980206
PRAI JP 1997-25219 A 19970207
AB A simplified method for detecting target nucleic acids is described, which method comprises (1) heating the mixt. of a sample and ***oligonucleotide*** ***probes*** to allow denaturation; (2) lowering the temp. to allow hybridization between the target nucleic acids in the sample and the ***oligonucleotide*** ***probes*** ; and (3) observing the shape, structure, and length of the hybrids with the ***scanning*** ***probe*** ***microscopy*** that includes scanning tunneling microscopy and at. force microscopy.

=> d his
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FILE 'CAPLUS' ENTERED AT 15:56:35 ON 20 DEC 2005
L1 3977 S (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB
L2 11882 S (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB
L3 4 S L1 AND L2

=> log y
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TOTAL ENTRY SESSION
FULL ESTIMATED COST 30.40 30.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION
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